

CLAIMS

[1] A water-based adhesive for polarizing elements which comprises a polyvinyl alcohol resin, a resin having a maleic anhydride skeleton in the structure, and a crosslinking agent.

[2] A water-based adhesive for polarizing elements according to claim 1, wherein the resin having a maleic anhydride skeleton in the structure is a copolymer of maleic anhydride and isobutylene.

[3] A water-based adhesive for polarizing elements according to claim 2, wherein the copolymer of maleic anhydride and isobutylene has a weight average molecular weight of 55,000-350,000.

[4] A water-based adhesive for polarizing elements according to any one of claims 1-3, wherein the crosslinking agent is a compound having an epoxy group.

[5] A water-based adhesive for polarizing elements according to any one of claims 1-4, wherein the polyvinyl alcohol resin is a modified polyvinyl alcohol resin or a mixture of a polyvinyl alcohol resin and a modified polyvinyl alcohol resin.

[6] A water-based adhesive for polarizing elements according to any one of claims 1-5 which comprises the polyvinyl alcohol resin, the resin having a maleic anhydride skeleton in the structure, and the crosslinking agent in a weight proportion of 100/(1-1000)/(0.5-5000).

[7] A polarizer which comprises a polarizing element and a protective film bonded to the polarizing element with an adhesive, wherein the adhesive is the water-based adhesive for polarizing elements according to any one of claims 1-6.

[8] A polarizer according to claim 6, wherein the protective film is a cellulose acetate film.

[9] A polarizer according to claim 6 or 7, wherein the polarizing element is a polyvinyl alcohol resin film, and the content of boron in the polarizing element is 10-40% by weight in terms of boric acid.